

ABSTRACT OF THE DISCLOSURE

5

An efficient system for determining if a paging channel should be received and processed adapted for use a wireless communications device in a wireless communications system employing a quick paging channel. The system includes a first mechanism for receiving an electromagnetic signal having both pilot signal and quick paging signal components. A second mechanism provides one or more initial quality parameters ($E_{pilot1}/\hat{I}_{o1}, E_{pilot1}$) indicative of a quality of a signal environment in which the electromagnetic signal is propagating. The one or more initial quality parameters are based on the pilot signal and are associated with a first symbol of the quick paging signal. A third mechanism ascertains whether a second symbol of the quick paging channel signal or the subsequent paging channel should be processed based on the one or more initial quality parameters and provides a first indication in response thereto. A fourth mechanism determines if the subsequent paging channel should be processed based on a second quality parameter (E_{pilot2}/\hat{I}_{o2}) and a combined decision metric (demodulation symbol (D)) associated with both the first symbol and the second symbol when the first indication indicates that the second symbol should be processed. The fourth mechanism provides a second indication response thereto.

□ १७६१२८